

# TECHNICAL DATA SHEET (TDS)

**Product Name:** Titanium Dioxide (Anatase Grade)

**Description:** High-quality TiO<sub>2</sub> pigment with high brightness, excellent tinting strength, good color, and superior dispersion properties. Ensures consistent optical performance. Conforms to IS 411:2020.

**Chemical Information:**

Chemical Name: Titanium Dioxide (TiO<sub>2</sub>)

Crystal Structure: Anatase

Surface Treatment: None

CAS No: 1317-70-7

Characteristics	Requirement	Typical Result
Volatile matter at 105°C	0.5% max	0.20
Residue on 45 micron	0.10% max	0.05
Oil absorption	15 - 30%	22.04
Colour in Oil	Close match	Close Match
Reducing power	Not inferior	Not Inferior
Relative density	3.7 – 3.9	3.76
Water soluble matter	0.50% max	0.4
pH (20% slurry)	6 – 8	7.3
TiO <sub>2</sub> content	98.0% min	98.25
Fe	170 ppm max	84
P <sub>2</sub> O <sub>5</sub>	0.50% max	0.30

**Applications:** Suitable for paints, paper, plastics, rubber, leather, linoleum, cosmetics, soap, and other industrial applications.